

# Setting up a web grid for CDX gateways

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# Checkout web-grid from the SVN repository

- OODT repo is at
  - <http://oodt.jpl.nasa.gov/repo>
- Checkout web-grid/trunk
- In the web-grid directory where the pom.xml file is located, type:
  - mvn install
- The target directory should have the WAR file:
  - web-grid-1.3.0-dev.war

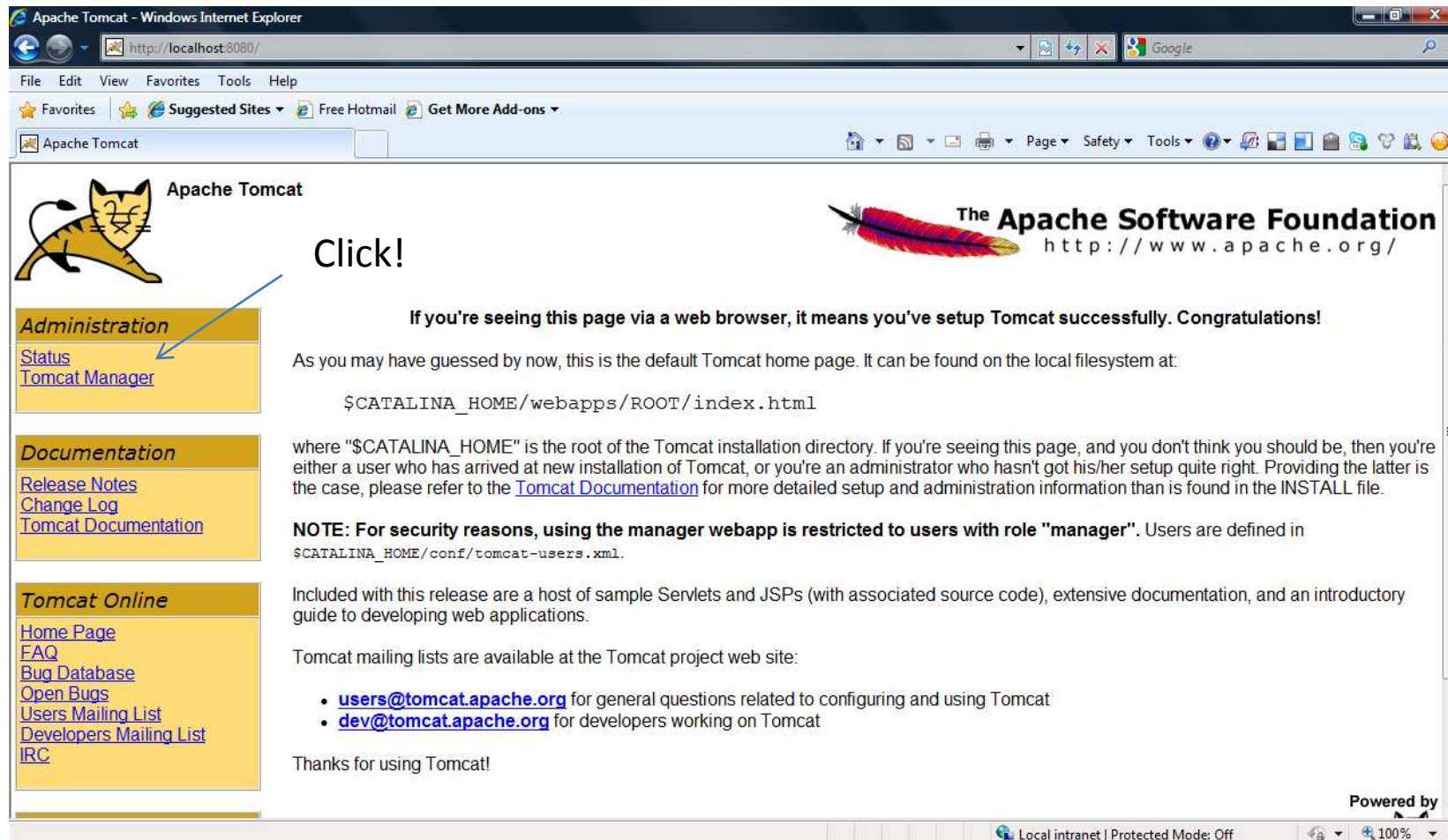
# Servlet Container

- Use a Tomcat 5.5 or higher servlet container
  - I used Tomcat 6.0, but Tomcat 5.5 and up should work
  - The rest of this tutorial will assume you are using Tomcat 6.0 and Windows (sorry, I don't have a Mac yet)

# Web Grid WAR File Naming

- The WAR file should be renamed to something simpler because the filename of the WAR file will be part of the URL you use to access your grid
  - e.g., rename it webgrid
    - `cd web-grid`
    - `mv target/web-grid-1.3.0-dev.war target/webgrid.war`
  - In Sean Kelly's OODT Grid Services over HTTP slides, he renames the WAR file to test.war

# Go to the Tomcat Manager



The screenshot shows the Apache Tomcat Manager web interface in a Windows Internet Explorer browser window. The address bar shows `http://localhost:8080/`. The page features the Apache Tomcat logo (a cat) and the Apache Software Foundation logo (a feather). A blue arrow points to the [Tomcat Manager](#) link in the **Administration** sidebar. The main content area displays a congratulatory message and instructions on how to access the manager webapp.

**Click!**

**Administration**

- [Status](#)
- [Tomcat Manager](#)

**Documentation**

- [Release Notes](#)
- [Change Log](#)
- [Tomcat Documentation](#)

**Tomcat Online**

- [Home Page](#)
- [FAQ](#)
- [Bug Database](#)
- [Open Bugs](#)
- [Users Mailing List](#)
- [Developers Mailing List](#)
- [IRC](#)

**The Apache Software Foundation**  
<http://www.apache.org/>

**If you're seeing this page via a web browser, it means you've setup Tomcat successfully. Congratulations!**

As you may have guessed by now, this is the default Tomcat home page. It can be found on the local filesystem at:

```
$CATALINA_HOME/webapps/ROOT/index.html
```

where "\$CATALINA\_HOME" is the root of the Tomcat installation directory. If you're seeing this page, and you don't think you should be, then you're either a user who has arrived at new installation of Tomcat, or you're an administrator who hasn't got his/her setup quite right. Providing the latter is the case, please refer to the [Tomcat Documentation](#) for more detailed setup and administration information than is found in the INSTALL file.

**NOTE: For security reasons, using the manager webapp is restricted to users with role "manager".** Users are defined in `$CATALINA_HOME/conf/tomcat-users.xml`.

Included with this release are a host of sample Servlets and JSPs (with associated source code), extensive documentation, and an introductory guide to developing web applications.

Tomcat mailing lists are available at the Tomcat project web site:

- [users@tomcat.apache.org](mailto:users@tomcat.apache.org) for general questions related to configuring and using Tomcat
- [dev@tomcat.apache.org](mailto:dev@tomcat.apache.org) for developers working on Tomcat

Thanks for using Tomcat!

Powered by

Local intranet | Protected Mode: Off | 100%

# Password Prompt

- You might be prompted for the username and password that you chose during Tomcat install

# Deploy the Webapp

Context Path (required):

XML Configuration file URL:

WAR or Directory URL:

Deploy

WAR file to deploy

Select WAR file to upload  Browse...

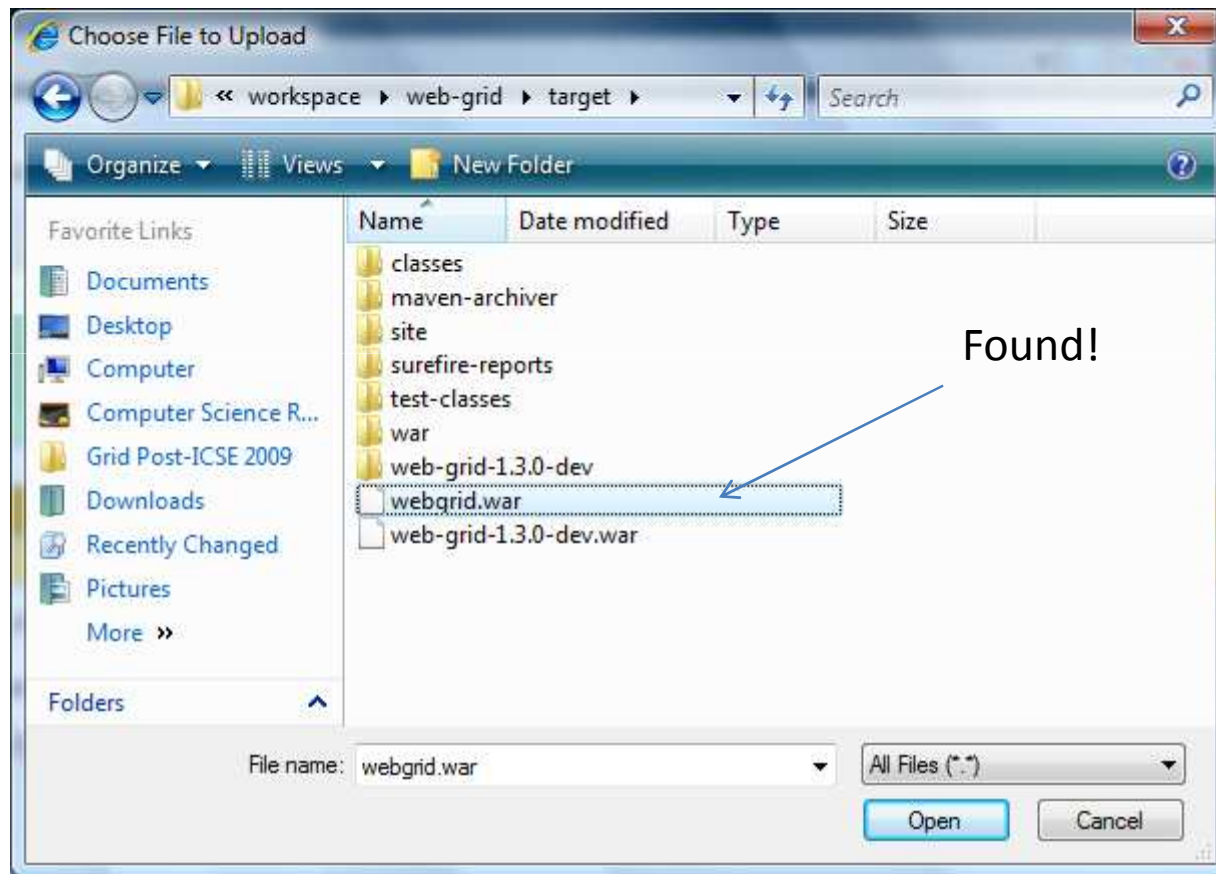
Deploy

**Click!**

Tomcat Version	JVM Version	JVM Vendor	OS Name	OS Version	OS Architecture
Apache Tomcat/6.0.20	1.6.0_13-b03	Sun Microsystems Inc.	Windows Vista	6.0	x86

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# Find the WAR file





# Click Deploy

Windows Internet Explorer window showing the Tomcat Manager interface at <http://localhost:8080/manager/html>.

The interface displays a table of deployed applications:

Context Path	WAR	Loadable	ACL	Operations
/webgrid	Web Grid	true	1	Start Stop Reload Undeploy Expire sessions with idle ≥ -1 minutes

**Deploy**

Deploy directory or WAR file located on server

Context Path (required):

XML Configuration file URL:

WAR or Directory URL:

**WAR file to deploy**

Select WAR file to upload C:\Users\Fusionex\workspace\web-grid\target\

← Click!

**Server Information**

Tomcat Version	JVM Version	JVM Vendor	OS Name	OS Version	OS Architecture
Apache Tomcat/6.0.20	1.6.0_13-b03	Sun Microsystems Inc.	Windows Vista	6.0	x86

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Local intranet | Protected Mode: Off

# Web grid is ready for gateway installation

